

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Robert L. Williams

GENERAL INFORMATION:

Source Name:	Jim Smith Contracting Company, LLC
Mailing Address:	1108 Dover Road, Grand Rivers, Kentucky 42045
Date application received:	March 8, 2006
SIC/Source description:	2951 / Asphalt Paving Mixture
Source ID #:	21-139-00002
AI number:	38980
Activity #:	APE20060001
Permit number:	F-06-023

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	61.652 / 17.117	397.356 / 110.938
SO ₂	27.772	243.090
NO _x	32.239	294.555
CO	94.994	900.090
VOC	15.782	132.755
LEAD	0.0006	0.00426
HAP Σ 10 tpy (by CAS)	0.664	7.147
HCl	0.049	0.322

SOURCE DESCRIPTION:

Jim Smith Contracting Company, LLC is currently operating a batch hot-mix asphalt plant at their Lake Paving facility in Grand Rivers, Kentucky and governed by state-origin permit #S-04-030. They submitted an application on March 8, 2006 for the addition of a separate drum hot-mix asphalt plant at the same site. This is due to the reliability problems of the batch plant in the past. The addition of the second plant will ensure that a constant supply of hot-mix asphalt is available for both their road building projects, as well as for sale to local contractors. The proposed drum-mix plant will eventually replace the batch-mix equipment.

The existing batch-mix plant is regulated under State Regulation 401 KAR 52:090, Prohibitory Rule for Hot-Mix Asphalt Plants, and is limited to a production rate of 360,000 tons for any twelve-month consecutive period. The existing batch-mix plant and proposed drum-mix plant will be considered as one source as they are on adjacent sites and under common control. The consulting firm submitting the application for Jim Smith Contracting Company, LLC has erroneously suggested that the source can remain a state-origin source governed under State Regulation 401 KAR 52:090 by limiting the twelve-month production of asphalt by both plants to 360,000 tons of asphalt.

Since Jim Smith Contracting Company, LLC has agreed to accept limits to the facility to remain below major source thresholds, this permit will be issued pursuant to State Regulation 401 KAR 52:030, Federally-enforceable permits for non-major sources and will be an initial construction / operating Conditional Major permit. The limits set forth in the permit will restrict asphalt production of the batch plant to 323,000 tons/year, and the drum plant will be restricted to 467,000 tons/year.

EMISSION AND OPERATING CAPS DESCRIPTION

Jim Smith Contracting Company, LLC has requested voluntary permit emission limits of 95 tons per year (tpy) or less of carbon monoxide (CO) by limiting the annual production of asphalt from each plant. Compliance with this limitation will also limit the nitrogen oxides (NO_x), sulfur dioxide (SO₂), and volatile organic compounds (VOCs) from the source to 95 tons or less per year; and single and total hazardous air pollutants (HAPs) to less than 10 and 25 tons per year, respectively. Jim Smith Contracting Company, LLC will also limit fugitive particulate emissions by utilizing wet suppression, moisture carryover, and/or enclosures. Compliance with the permit limits will make the requirements of State Regulation 401 KAR 52:020, Title V permits not applicable to this source.